RAW SEQUENCE LISTING
ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10 81 02 8
Source: IFWO
Date Processed by STIC: 8/13/04

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:
1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY
FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.2 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.
Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom
Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 06/05/04): U.S. Patent and Trademark Office, 220 20th Street S., Customer Window, Mail Stop Sequence, Crystal Plaza Two, Lobby, Room 1B03, Arlington, VA 22202

Revised 05/17/04

IFWO

RAW SEQUENCE LISTING　　　　　　　　　DATE: 08/13/2004
PATENT APPLICATION:　**US/10/811,028**　　TIME: 15:29:17

Input Set : **A:\-24-1.app**
Output Set: **N:\CRF4\08132004\J811028.raw**

```
 3 <110> APPLICANT: Bennett, Michael
 4        Chen, Yen-Ju
 5        Genteric, Inc.
 7 <120> TITLE OF INVENTION: Methods of Treating Xerostomia and Xerophthalmia
 9 <130> FILE REFERENCE: 020714-002410US
11 <140> CURRENT APPLICATION NUMBER: US 10/811,028
12 <141> CURRENT FILING DATE: 2004-03-25
14 <150> PRIOR APPLICATION NUMBER: US 60/458,793
15 <151> PRIOR FILING DATE: 2003-03-26
17 <160> NUMBER OF SEQ ID NOS: 11
19 <170> SOFTWARE: PatentIn Ver. 2.1
21 <210> SEQ ID NO: 1
22 <211> LENGTH: 4332
23 <212> TYPE: DNA
24 <213> ORGANISM: Artificial Sequence
26 <220> FEATURE:
27 <223> OTHER INFORMATION: Description of Artificial Sequence:pMB1-MnSOD
28        plasmid expression vector
30 <400> SEQUENCE: 1
31 cggtgcgggc ctcttcgcta ttacgccagc tggcgaaagg gggatgtgct gcaaggcgat 60
32 taagttgggt aacgccaggg ttttcccagt cacgacgttg taaaacgacg gccagtgaat 120
33 tgtaatacga ctcactatag ggcgaattgg gtactggcca cagagcttgg cccattgcat 180
34 acgttgtatc catatcataa tatgtacatt tatattggct catgtccaac attaccgcca 240
35 tgttgacatt gattattgac tagttattaa tagtaatcaa ttacggggtc attagttcat 300
36 agcccatata tggagttccg cgttacataa cttacggtaa atggcccgcc tggctgaccg 360
37 cccaacgacc cccgcccatt gacgtcaata atgacgtatg ttcccatagt aacgccaata 420
38 gggactttcc attgacgtca atgggtggag tatttacggt aaactgccca cttggcagta 480
39 catcaagtgt atcatatgcc aagtacgccc cctattgacg tcaatgacgg taaatggccc 540
40 gcctggcatt atgcccagta catgacctta tgggactttc ctacttggca gtacatctac 600
41 gtattagtca tcgctattac catggtgatg cggttttggc agtacatcaa tgggcgtgga 660
42 tagcggtttg actcacgggg atttccaagt ctccacccca ttgacgtcaa tgggagtttg 720
43 ttttggcacc aaaatcaacg ggactttcca aaatgtcgta caactccgcc ccattgacg 780
44 caaatgggcg gtaggcgtgt acggtgggag gtctatataa gcagagctcg tttagtgaac 840
45 cgtcagatcg cctggagacg ccatccacgc tgttttgacc tccatagaag acaccgggac 900
46 cgatccagcc tgactctagc ctagctctga agttggtggt gaggccctgg gcaggttggt 960
47 atcaaggtta caagacaggt ttaaggagac caatagaaac tgggcatgtg gagacagaga 1020
48 agactcttgg gtttctgata ggcactgact ctctctgcct attggtctat tttcccaccc 1080
49 ttaggctgct ggtctgagcc taggagatct ctcgaggtcg acggtatcga taagcttgat 1140
50 atcgaattcc gggcggcgca ggagcggcac tcgtggctgt ggtggcttcg gcagcggctt 1200
51 cagcagatcg gcggcatcag cggtagcacc agcactagca gcatgttgag ccgggcagtg 1260
52 tgcggcacca gcaggcagct ggctccggtt ttggggtatc tgggctccag gcagaagcac 1320
53 agcctccccg acctgcccta cgactacggc gccctggaac ctcacatcaa cgcgcagatc 1380
54 atgcagctgc accacagcaa gcaccacgcg gcctacgtga caacctgaa cgtcaccgag 1440
```

```
 55 gagaagtacc aggaggcgtt ggccaaggga gatgttacag cccagatagc tcttcagcct 1500
 56 gcactgaagt tcaatggtgg tggtcatatc aatcatagca ttttctggac aaacctcagc 1560
 57 cctaacggtg gtggagaacc caaaggggag ttgctggaag ccatcaaacg tgactttggt 1620
 58 tcctttgaca agtttaagga gaagctgacg gctgcatctg ttggtgtcca aggctcaggt 1680
 59 tggggttggc ttggtttcaa taaggaacgg ggacacttac aaattgctgc ttgtccaaat 1740
 60 caggatccac tgcaaggaac aacaggcctt attccactgc tggggattga tgtgtgggag 1800
 61 cacgcttact accttcagta taaaaatgtc aggcctgatt atctaaaagc tatttggaat 1860
 62 gtaatcaact ggggagaatg taactgaaag atacatggct tgcaaaaagt aaaccacgat 1920
W--> 63 cgttatgctg gaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaa 1980
 64 aaaaaacgga attccctgca gcccggggga tccactagtt ctagagcggc cgccaccgcg 2040
 65 gtggagctcc acaactagaa tgcagtgaaa aaaatgcttt atttgtgaaa tttgtgatgc 2100
 66 tattgcttta tttgtaacca ttataagctg caataaacaa gttaacaaca attgcattca 2160
 67 ttttatgttt caggttcagg gggaggtgtg ggaggttttt taaagccaca gctccagctt 2220
 68 ttgttccctt tagtgagggt taatttcgag cttggcgtaa tcatggtcat agctgtttcc 2280
 69 tgtgtgaaat tgttatccgc tcacaattcc acacaacata cgagccggaa gcataaagtg 2340
 70 taaagcctgg ggtgcctaat gagtgagcta actcacatta attgcgttgc gctcactgcc 2400
 71 cgctttccag tcgggaaacc tgtcgtgcca gctgcattaa tgaatcggcc aacgcgcggg 2460
 72 gagaggcggt ttgcgtattg ggcgctcttc cgcttcctcg ctcactgact cgctgcgctc 2520
 73 ggtcgttcgg ctgcggcgag cggtatcagc tcactcaaag gcggtaatac ggttatccac 2580
 74 agaatcaggg gataacgcag gaaagaacat gtgagcaaaa ggccagcaaa aggccaggaa 2640
 75 ccgtaaaaag gccgcgttgc tggcgttttt ccataggctc cgcccccctg acgagcatca 2700
 76 caaaaatcga cgctcaagtc agaggtggcg aaacccgaca ggactataaa gataccaggc 2760
 77 gtttccccct ggaagctccc tcgtgcgctc tcctgttccg accctgccgc ttaccggata 2820
 78 cctgtccgcc tttctccctt cgggaagcgt ggcgctttct caatgctcac gctgtaggta 2880
 79 tctcagttcg gtgtaggtcg ttcgctccaa gctgggctgt gtgcacgaac cccccgttca 2940
 80 gcccgaccgc tgcgccttat ccggtaacta tcgtcttgag tccaacccgg taagacacga 3000
 81 cttatcgcca ctggcagcag ccactggtaa caggattagc agagcgaggt atgtaggcgg 3060
 82 tgctacagag ttcttgaagt ggtggcctaa ctacggctac actagaagga cagtatttgg 3120
 83 tatctgcgct ctgctgaagc cagttacctt cggaaaaaga gttggtagct cttgatccgg 3180
 84 caaacaaacc accgctggta gcggtggttt ttttgtttgc aagcagcaga ttacgcgcag 3240
 85 aaaaaaagga tctcaagaag atcctttgat cttttctacg gggtctgacg ctcagtggaa 3300
 86 cgaaaactca cgttaaggga ttttggtcat gagcggatac atatttgaat gtatttagaa 3360
 87 aaataaacaa ataggggttc cgcgcacatt tccccgaaaa gtgccacctg tatgcggtgt 3420
 88 gaaataccgc acagatgcgt aaggagaaaa taccgcatca ggaaattgta agcgttaata 3480
 89 attcagaaga actcgtcaag aaggcgatag aaggcgatgc gctgcgaatc gggagcggcg 3540
 90 ataccgtaaa gcacgaggaa gcggtcagcc cattcgccgc caagctcttc agcaatatca 3600
 91 cgggtagcca acgctatgtc ctgatagcgg tccgccacac ccagccggcc acagtcgatg 3660
 92 aatccagaaa agcggccatt ttccaccatg atattcggca agcaggcatc gccatgggtc 3720
 93 acgacgagat cctcgccgtc gggcatgctc gccttgagcc tggcgaacag ttcggctggc 3780
 94 gcgagcccct gatgctcttc gtccagatca tcctgatcga agaccggc ttccatccga 3840
 95 gtacgtgctc gctcgatgcg atgtttcgct tggtggtcga atgggcaggt agccggatca 3900
 96 agcgtatgca gccgccgcat tgcatcagcc atgatggata ctttctcggc aggagcaagg 3960
 97 tgagatgaca ggagatcctg ccccggcact cgcccaata gcagccagtc ccttcccgct 4020
 98 tcagtgacaa cgtcgagcac agctgcgcaa ggaacgcccg tcgtggccag ccacgatagc 4080
 99 cgcgctgcct cgtcttgcag ttcattcagg gcaccggaca ggtcggtctt gacaaaaaga 4140
100 accgggcgcc cctgcgctga cagccggaac acggcggcat cagagcagcc gattgtctgt 4200
101 tgtgcccagt catagccgaa tagcctctcc acccaagcgg ccggagaacc tgcgtgcaat 4260
102 ccatcttgtt caatcatgcg aaacgatcct catcctgtct cttgatcaga gcttgatccc 4320
103 ctgcgccatc ag                                                    4332
```

pls explain "N" location.

mandatory, if N or Xaa are present please explain in section <220> — <223>. Pls

See error explanation on page 7.

```
106 <210> SEQ ID NO: 2
107 <211> LENGTH: 4293
108 <212> TYPE: DNA
109 <213> ORGANISM: Artificial Sequence
111 <220> FEATURE:
112 <223> OTHER INFORMATION: Description of Artificial Sequence:pMB1-HAMnSOD
113       plasmid expression vector
115 <400> SEQUENCE: 2
116 cggtgcgggc ctcttcgcta ttacgccagc tggcgaaagg gggatgtgct gcaaggcgat 60
117 taagttgggt aacgccaggg ttttcccagt cacgacgttg taaaacgacg gccagtgaat 120
118 tgtaatacga ctcactatag ggcgaattgg gtactggcca cagagcttgg cccattgcat 180
119 acgttgtatc catatcataa tatgtacatt tatattggct catgtccaac attaccgcca 240
120 tgttgacatt gattattgac tagttattaa tagtaatcaa ttacggggtc attagttcat 300
121 agcccatata tggagttccg cgttacataa cttacggtaa atggcccgcc tggctgaccg 360
122 cccaacgacc cccgcccatt gacgtcaata atgacgtatg ttcccatagt aacgccaata 420
123 gggactttcc attgacgtca atgggtggag tatttacggt aaactgccca cttggcagta 480
124 catcaagtgt atcatatgcc aagtacgccc cctattgacg tcaatgacgg taaatggccc 540
125 gcctggcatt atgcccagta catgacctta tgggactttc ctacttggca gtacatctac 600
126 gtattagtca tcgctattac catggtgatg cggttttggc agtacatcaa tgggcgtgga 660
127 tagcggtttg actcacgggg atttccaagt ctccacccca ttgacgtcaa tgggagtttg 720
128 ttttggcacc aaaatcaacg ggactttcca aaatgtcgta acaactccgc cccattgacg 780
129 caaatgggcg gtaggcgtgt acggtgggag gtctatataa gcagagctcg tttagtgaac 840
130 cgtcagatcg cctggagacg ccatccacgc tgttttgacc tccatagaag acaccgggac 900
131 cgatccagcc tgactctagc ctagctctga agttggtggt gaggccctgg gcaggttggt 960
132 atcaaggtta caagacaggt ttaaggagac caatagaaac tgggcatgtg agacagaga 1020
133 agactcttgg gtttctgata ggcactgact ctctctgcct attggtctat tttcccaccc 1080
134 ttaggctgct ggtctgagcc taggagatct ctcgaggtcg acggtatcga taagcttgat 1140
135 aattccacca tggcttctag cccttatgac gtgcctgact atgccagttt aggaggacct 1200
136 tctatgttga gccgggcagt gtgcggcacc agcaggcagc tggctccggt tttggggtat 1260
137 ctgggctcca ggcagaagca cagcctcccc gacctgccct acgactacgg cgccctggaa 1320
138 cctcacatca acgcgcagat catgcagctg caccacagca agcaccacgc ggcctacgtg 1380
139 aacaacctga acgtcaccga ggagaagtac caggaggcgt tggccaaggg agatgttaca 1440
140 gcccagatag ctcttcagcc tgcactgaag ttcaatggtg gtggtcatat caatcatagc 1500
141 attttctgga caaacctcag ccctaacggt ggtggagaac ccaaagggga gttgctggaa 1560
142 gccatcaaac gtgactttgg ttcctttgac aagtttaagg agaagctgac ggctgcatct 1620
143 gttggtgtcc aaggctcagg ttggggttgg cttggtttca ataaggaacg gggacactta 1680
144 caaattgctg cttgtccaaa tcaggatcca ctgcaaggaa caacaggcct tattccactg 1740
145 ctggggattg atgtgtggga gcacgcttac taccttcagt ataaaaatgt caggcctgat 1800
146 tatctaaaag ctatttggaa tgtaatcaac tggggagaat gtaactgaaa gatacatggc 1860
147 ttgcaaaaag taaaccacga tcgttatgct ggaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1920
```

```
148 aaaaaaaaaa aaaaaaaaaⓝ aaaaaaacgg aattccctgc agcccggggg atccactagt 1980
149 tctagagcgg ccgccaccgc ggtggagctc cacaactaga atgcagtgaa aaaaatgctt 2040
150 tatttgtgaa atttgtgatg ctattgcttt atttgtaacc attataagct gcaataaaca 2100
151 agttaacaac aattgcattc attttatgtt tcaggttcag ggggaggtgt gggaggtttt 2160
152 ttaaagccac agctccagct tttgttccct ttagtgaggg ttaatttcga gcttggcgta 2220
153 atcatggtca tagctgtttc ctgtgtgaaa ttgttatccg ctcacaattc cacacaacat 2280
154 acgagccgga agcataaagt gtaaagcctg gggtgcctaa tgagtgagct aactcacatt 2340
155 aattgcgttg cgctcactgc ccgctttcca gtcgggaaac ctgtcgtgcc agctgcatta 2400
156 atgaatcggc caacgcgcgg ggagaggcgg tttgcgtatt gggcgctctt ccgcttcctc 2460
```

```
157 gctcactgac tcgctgcgct cggtcgttcg gctgcggcga gcggtatcag ctcactcaaa 2520
158 ggcggtaata cggttatcca cagaatcagg ggataacgca ggaaagaaca tgtgagcaaa 2580
159 aggccagcaa aaggccagga accgtaaaaa ggccgcgttg ctggcgtttt tccataggct 2640
160 ccgcccccct gacgagcatc acaaaaatcg acgctcaagt cagaggtggc gaaacccgac 2700
161 aggactataa agataccagg cgtttccccc tggaagctcc ctcgtgcgct ctcctgttcc 2760
162 gaccctgccg cttaccggat acctgtccgc ctttctccct tcgggaagcg tggcgctttc 2820
163 tcaatgctca cgctgtaggt atctcagttc ggtgtaggtc gttcgctcca agctgggctg 2880
164 tgtgcacgaa ccccccgttc agcccgaccg ctgcgcctta tccggtaact atcgtcttga 2940
165 gtccaacccg gtaagacacg acttatcgcc actggcagca gccactggta acaggattag 3000
166 cagagcgagg tatgtaggcg gtgctacaga gttcttgaag tggtggccta actacggcta 3060
167 cactagaagg acagtatttg gtatctgcgc tctgctgaag ccagttacct tcggaaaaag 3120
168 agttggtagc tcttgatccg gcaaacaaac caccgctggt agcggtggtt tttttgtttg 3180
169 caagcagcag attacgcgca gaaaaaaagg atctcaagaa gatcctttga tcttttctac 3240
170 ggggtctgac gctcagtgga acgaaaactc acgttaaggg attttggtca tgagcggata 3300
171 catatttgaa tgtatttaga aaaataaaca aataggggtt ccgcgcacat ttccccgaaa 3360
172 agtgccacct gtatgcggtg tgaaataccg cacagatgcg taaggagaaa ataccgcatc 3420
173 aggaaattgt aagcgttaat aattcagaag aactcgtcaa gaaggcgata gaaggcgatg 3480
174 cgctgcgaat cgggagcggc gataccgtaa agcacgagga agcggtcagc ccattcgccg 3540
175 ccaagctctt cagcaatatc acgggtagcc aacgctatgt cctgatagcg gtccgccaca 3600
176 cccagccggc cacagtcgat gaatccagaa aagcggccat tttccaccat gatattcggc 3660
177 aagcaggcat cgccatgggt cacgacgaga tcctcgccgt cgggcatgct cgccttgagc 3720
178 ctggcgaaca gttcggctgg cgcgagcccc tgatgctctt cgtccagatc atcctgatcg 3780
179 acaagaccgg cttccatccg agtacgtgct cgctcgatgc gatgtttcgc ttggtggtcg 3840
180 aatgggcagg tagccggatc aagcgtatgc agccgccgca ttgcatcagc catgatggat 3900
181 actttctcgg caggagcaag gtgagatgac aggagatcct gccccggcac ttcgcccaat 3960
182 agcagccagt cccttcccgc ttcagtgaca acgtcgagca cagctgcgca aggaacgccc 4020
183 gtcgtggcca gccacgatag ccgcgctgcc tcgtcttgca gttcattcag ggcaccggac 4080
184 aggtcggtct tgacaaaaag aaccgggcgc ccctgcgctg acagccggaa cacggcggca 4140
185 tcagagcagc cgattgtctg ttgtgcccag tcatagccga atagcctctc cacccaagcg 4200
186 gccggagaac ctgcgtgcaa tccatcttgt tcaatcatgc gaaacgatcc tcatcctgtc 4260
187 tcttgatcag agcttgatcc cctgcgccat cag                             4293
190 <210> SEQ ID NO: 3
191 <211> LENGTH: 5753
192 <212> TYPE: DNA
193 <213> ORGANISM: Artificial Sequence
195 <220> FEATURE:
196 <223> OTHER INFORMATION: Description of Artificial Sequence:pMB1-CAT
197       plasmid expression vector
199 <400> SEQUENCE: 3
200 cggtgcgggc ctcttcgcta ttacgccagc tggcgaaagg gggatgtgct gcaaggcgat 60
201 taagttgggt aacgccaggg ttttcccagt cacgacgttg taaaacgacg gccagtgaat 120
202 tgtaatacga ctcactatag ggcgaattgg gtactggcca cagagcttgg cccattgcat 180
203 acgttgtatc catatcataa tatgtacatt tatattggct catgtccaac attaccgcca 240
204 tgttgacatt gattattgac tagttattaa tagtaatcaa ttacggggtc attagttcat 300
205 agcccatata tggagttccg cgttacataa cttacggtaa atggcccgcc tggctgaccg 360
206 cccaacgacc cccgcccatt gacgtcaata atgacgtatg ttcccatagt aacgccaata 420
207 gggactttcc attgacgtca atgggtggag tatttacggt aaactgccca cttggcagta 480
208 catcaagtgt atcatatgcc aagtacgccc cctattgacg tcaatgacgg taaatggccc 540
209 gcctggcatt atgcccagta catgacctta tgggactttc ctacttggca gtacatctac 600
```

```
210 gtattagtca tcgctattac catggtgatg cggttttggc agtacatcaa tgggcgtgga 660
211 tagcggtttg actcacgggg atttccaagt ctccacccca ttgacgtcaa tgggagtttg 720
212 ttttggcacc aaaatcaacg ggactttcca aaatgtcgta acaactccgc cccattgacg 780
213 caaatgggcg gtaggcgtgt acggtgggag gtctatataa gcagagctcg tttagtgaac 840
214 cgtcagatcg cctggagacg ccatccacgc tgttttgacc tccatagaag acaccgggac 900
215 cgatccagcc tgactctagc ctagctctga agttggtggt gaggccctgg gcaggttggt 960
216 atcaaggtta caagacaggt ttaaggagac caatagaaac tgggcatgtg gagacagaga 1020
217 agactcttgg gtttctgata ggcactgact ctctctgcct attggtctat tttcccaccc 1080
218 ttaggctgct ggtctgagcc taggagatct ctcgaggtcg acggtatcga taagcttgat 1140
219 atcgaattcg ggtggagacc cacgagccga ggcctcctgc agtgttctgc acagcaaacc 1200
220 gcacgctatg gctgacagcc gggatcccgc cagcgaccag atgcagcact ggaaggagca 1260
221 gcgggccgcg cagaaagctg atgtcctgac cactggagct ggtaacccag taggagacaa 1320
222 acttaatgtt attacagtag ggccccgtgg gccccttctt gttcaggatg tggttttcac 1380
223 tgatgaaatg gctcattttg accgagagag aattcctgag agagttgtgc atgctaaagg 1440
224 agcaggggcc tttggctact ttgaggtcac acatgacatt accaaatact ccaaggcaaa 1500
225 ggtatttgag catattggaa agaagactcc catcgcagtt cggttctcca ctgttgctgg 1560
226 agaatcgggt tcagctgaca cagttcggga ccctcgtggg tttgcagtga aattttacac 1620
227 agaagatggt aactgggatc tcgttggaaa taacaccccc attttcttca tcagggatcc 1680
228 catattgttt ccatctttta tccacagcca aaagagaaat cctcagacac atctgaagga 1740
229 tccggacatg gtctgggact tctggagcct acgtcctgag tctctgcatc aggtttcttt 1800
230 cttgttcagt gatcggggga ttccagatgg acatcgccac atgaatggat atggatcaca 1860
231 tactttcaag ctggttaatg caaatgggga ggcagtttat tgcaaattcc attataagac 1920
232 tgaccagggc atcaaaaacc tttctgttga agatgcggcg agactttccc aggaagatcc 1980
233 tgactatggc atccgggatc tttttaacgc cattgccaca ggaaagtacc cctcctggac 2040
234 ttttttacatc caggtcatga catttaatca ggcagaaact tttccattta atccattcga 2100
235 tctcaccaag gtttggcctc acaaggacta ccctctcatc ccagttggta aactggtctt 2160
236 aaaccggaat ccagttaatt actttgctga ggttgaacag atagccttcg acccaagcaa 2220
237 catgccacct ggcattgagg ccagtcctga caaaatgctt cagggccgcc ttttttgccta 2280
238 tcctgacact caccgccatc gcctgggacc caattatctt catatacctg tgaactgtcc 2340
239 ctaccgtgct cgagtggcca actaccagcg tgatggcccg atgtgcatgc aggacaatca 2400
240 gggtggtgct ccaaattact accccaacag ctttggtgct ccggaacaac agccttctgc 2460
241 cctggagcac agcatccaat attctggaga agtgcggaga ttcaacactg ccaatgatga 2520
242 taacgttact caggtgcggg cattctatgt gaacgtgctg aatgaggaac agaggaaacg 2580
243 tctgtgtgag aacattgccg gccacctgaa ggatgcacaa attttcatcc agaagaaagc 2640
244 ggtcaagaac ttcactgagg tccaccctga ctacgggagc cacatccagg ctcttctgga 2700
245 caagtacaat gctgagaagc ctaagaatgc gattcacacc tttgtgcagt ccggatctca 2760
246 cttggcggca agggagaagg caaatctgtg aggccggggc cctgcacctg tgcagcgaag 2820
247 cttagcgttc atccgtgtaa cccgctcatc actggatgaa gattctcctg tgctagatgt 2880
248 gcaaatgcaa gctagtggct tcaaaataga gaatcccact ttctatagca gattgtgtaa 2940
249 caatttttaat gctatttccc caggggaaaa tgaaggttag gatttaacag tcatttaaaa 3000
250 aaaaaatttg ttttgacgga tgattggatt attcatttaa aatgattaga aggcaagttt 3060
251 ctagctagaa atatgatttt atttgacaaa atttgttgaa attatgtatg tttacatatc 3120
252 acctcatggc ctattatatt aaaatatggc tataaatata taaaagaaa agataaagat 3180
253 gatctactca gaaattttta tttttctaag gttctcatag gaaaagtaca tttaatacag 3240
254 cagtgtcatc agaagataac ttgagcaccg tcatggctta atgtttattc ctgataataa 3300
255 ttgatcaaat tcattttttt cactggagtt acattaatgt taattcagca ctgatttcac 3360
256 aacagatcaa tttgtaattg cttacatttt tacaataaat aatctgtacg gaattcctgc 3420
257 agcccggggg atccactagt tctagagcgg ccgccaccgc ggtggagctc cacaactaga 3480
258 atgcagtgaa aaaaatgctt tatttgtgaa atttgtgatg ctattgcttt atttgtaacc 3540
```

RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 08/13/2004
PATENT APPLICATION: US/10/811,028   TIME: 15:29:18

Input Set : A:\-24-1.app
Output Set: N:\CRF4\08132004\J811028.raw

Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; N Pos. 1979
Seq#:2; N Pos. 1940

VARIABLE LOCATION SUMMARY   DATE: 08/13/2004
PATENT APPLICATION: **US/10/811,028**   TIME: 15:29:18

Input Set : **A:\-24-1.app**
Output Set: **N:\CRF4\08132004\J811028.raw**

<u>Use of n's or Xaa's(NEW RULES)</u>: *Error Explanation: ②*
Use of n's and/or Xaa's have been detected in the Sequence Listing.
Use of <220> to <223> is <u>MANDATORY</u> if n's or Xaa's are present.
in <220> to <223> section, please explain location of n or Xaa, and which
residue n or Xaa represents.

Seq#:1; N Pos. 1979
Seq#:2; N Pos. 1940

VERIFICATION SUMMARY   DATE: 08/13/2004
PATENT APPLICATION: US/10/811,028   TIME: 15:29:18

Input Set : A:\-24-1.app
Output Set: N:\CRF4\08132004\J811028.raw

```
L:63  M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:1
L:63  M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:1
L:63  M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:1920
L:148 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:2
L:148 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:2
L:148 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:1920
```